

**A VALVE PROSTHESIS FOR IMPLANTATION IN THE BODY AND A
CATHETER FOR IMPLANTING SUCH VALVE PROSTHESIS**

ABSTRACT OF THE DISCLOSURE

5 A valve prosthesis (9) for implantation in the body by use of catheter (11) comprises a
stent made from an expandable cylinder-shaped thread structure (2,3) comprising
several spaced apices (4). The elastically collapsible valve (4) is mounted on the stent as
the commissural points (5) of the valve (6) is secured to the projecting apices (4).

10 The valve prosthesis (9) can be compressed around the balloon means (13) of the
balloon catheter (11) and be inserted in a channel, for instance in the aorta (10). When
the valve prosthesis is placed correctly the balloon means (13) is inflated thereby
expanding the stent and wedging it against the wall of the aorta. The balloon means is
provided with beads (14) to ensure a steady fastening of the valve prosthesis on the
15 balloon means during insertion and expansion.

The valve prosthesis (9) and the balloon catheter (11) make it possible to insert a cardiac
valve prosthesis without a surgical operation comprising opening the thoracic cavity.

20 (Figs. 2 and 3 are considered suitable to the published with the abstract).